



Oregon

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Oregon Department of Transportation

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Salem, Oregon 97310

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To: Highway Design Manual Users

Enclosed is the English 2003 ODOT Highway Design Manual (HDM). The 2003 Highway Design Manual is in general agreement with the 2001 AASHTO "A Policy on Geometric Design of Highways and Streets".

The 2003 Highway Design Manual is fundamentally the same manual as the 2002 version, but has been converted to English. Minor changes have occurred in the HDM due to corrections and input from review group meetings held during the summer. As with the 2002 HDM, the 2003 version maintains the vision of a more context sensitive and multi-modal design manual, and the implementation of Oregon Highway Plan policies.

The HDM is also available in metric units. Design values in the English and metric manuals were developed independently within each system. The relationship between the two systems is neither a hard conversion nor a soft conversion. Values have been developed for each system. Therefore, the user is advised to work in one system and not attempt to convert directly between units of measurement in the two manuals.

It is recommended that the 2002 manual be saved as a possible reference. Any corrections or suggested revisions for this manual should be directed to the following:

Oregon Department of Transportation
Preliminary Design Unit
207 Transportation Building
355 Capitol Street NE
Salem, Oregon 97301



2003 Highway Design Manual

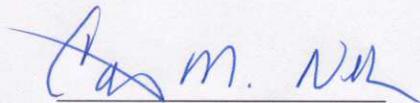
English

PREFACE

This Highway Design Manual provides uniform standards and procedures for the Oregon Department of Transportation (ODOT). It is intended to provide guidance for the location and design of new construction, major reconstruction, and resurfacing, restoration or rehabilitation (3R) projects. The manual shall be utilized by all Department personnel for planning studies and during project development. It is generally in agreement with the American Association of State Highway and Transportation Officials (AASHTO's) "A Policy on Geometric Design of Highways and Streets-2001". However, sound engineering judgment must continue to be a vital part in the process of applying the design criteria to individual projects. The flexibility contained in the 2003 Highway Design Manual supports the use of Context Sensitive Design practices.

The 2003 Highway Design Manual is to be used for all projects that are located on state highways. National Highway System or Federal-aid projects on roadways that are under the jurisdiction of cities or counties will typically use the 2001 AASHTO design standards or ODOT 3-R design standards. State and local planners will also use the manual in determining design requirements as they relate to state highways in Transportation System Plans, Corridor Plans, and Refinement Plans.

Development of this manual was coordinated by staff from the Preliminary Design Unit, with input from internal staff and an external review group consisting of consulting firms, city and county engineers, the Federal Highway Administration (FHWA), and other external stakeholders. The 2003 Highway Design Manual will replace the 2002 manual and related technical bulletins and letters. It is not a legal document.



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